

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Norwalk Substation

Date: May 4, 2006

Inspector: Lee Curtis

Location: Norwalk Substation Expansion

Storm/

Rain Event: Between 0.9-0.56" of rain was recorded over 5/2-5/3 as reported by NOAA and based on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	- The catch basin near the Route 7 ramp receives a lot of off-site stormwater-sedimentation of roadway sand is occurring here. 12/22-5/4/06.	-The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-5/4/06.	-N/A.
Foundation construction	- All current work is either testing or within existing structures/ trenches . 5/4/06. - Topsoil was spread within the yard adjacent to the GIS building. 5/4/06	- None at this time. 5/4/06. - The area is well contained and the stockpile was put to use. 5/4/06	-N/A. - N/A
Erosion and Sediment Controls	- The recent heavy rains caused flooding that created washouts and erosion along the slope near the 345kV turning structure. 4/26-5/4/06.	- The issue was already observed prior to the inspection and the area will be restored with stone and restabilized. 4/26-5/4/06.	-The area will be restored
Inland Wetland and Watercourse encroachment and mitigation	- The overflow channel and natural overflow area were still flowing but the water level had receded further. 5/4/06. - The minor erosion noted along the top of slope at	-Repairs will be made to the slope near the turning structure. 5/4/06 - None at this time. 5/4/06.	-N/A -N/A.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	the overflow channels does not appear to have worsened and vegetation is growing well. 5/4/06.		
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A.
Vegetative clearing limits (including trees to save or danger trees noted)	-Clearing was complete between the substation, ROW and river as a result of the overhead work. 5/4/06. - Some of the remaining trees near the channel were washed out by the flood. 4/26-5/4/06	- Not jurisdictional to the substation work. 5/4/06. - None at this time. 5/4/06	-N/A -N/A
Dewatering	-Dewatering was not observed during this inspection. 5/4/06.	-None at this time. 5/4/06.	-N/A.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.	-N/A
Spills and Material Storage	- Most heavy equipment is removed from the site. 5/4/06. -Some materials/ structures are being stored here for other components of the project. 5/4/06	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Report spills to the office immediately, even if they are being controlled.	-N/A -N/A
Additional Observations			

Plumtree Substation

Date: May 4, 2006

Inspector: Diana Walden

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Between 0.9-0.56" of rain was recorded over 5/2-5/3 as reported by NOAA and based on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads	- Work has returned to the substation so the drive is again in use for this equipment. 3/15-5/4/06.	- None at this time. 5/4/06.	-N/A.
Foundation construction	-Work continues within the substation yard with some foundation work within excavations. 4/19-5/4/06. -Active XLPE work in the yard was complete for the time. 5/4/06	- Remain aware of the perimeter of the yard and the workspace and the fact the area is surrounded by wetlands. See erosion control section. 3/15-5/4/06. -See XLPE report.	-N/A at this time. -N/A
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-Stockpiles remain on site, contained by the perimeter berm. 5/4/06. - One larger pile was noted at the rear of the site near the fence. 5/4/06 -A filter bag was in place for dewatering and the area adjacent to the berm contained pooled water. No sedimentation was noted out of the yard. 4/26-5/4/06.	-Continue to monitor that the controls are effective. Extend haybales if necessary. 3/31/06-5/4/06. -Consider pulling back the pile if feasible or add more controls if necessary. 5/4/06. -Continue to watch the perimeter when dewatering and improve the berm if necessary. Water was filtered fairly well. 4/26-5/4/06	- N/A at this time. -Continue to monitor -N/A at this time
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. -Shovels and pails from the wetland cleanup were removed as recommended. 5/4/06	-Continue to monitor them. Ensure that sediment does not leave the yard. 5/4/06. - None at this time. 5/4/06	N/A. -Materials were removed

Areas of Inspection	Observation	Recommended Action	Corrected Action
State species of concern, threatened and endangered species	- Crews on site at this time will have to remain aware of the fact the weather is warming and the wood turtle could return to the site in the spring. 3/15-5/4/06	- Move machinery carefully and perform daily walkdowns of the site each morning now that the weather is warmer. 4/6-5/4/06.	-Daily walkdowns should be occurring at this point.
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A	-N/A
Dewatering	- Dewatering was being sent to a filter bag and then pooling within the yard by the berm. 4/26-5/4/06.	-Water was filtered fairly well and was contained to the yard. Continue to monitor. 5/4/06.	-N/A
Blasting	- No blasting is occurring on site at this time.	- None at this time.	-N/A
Spills and Material Storage	- No spills or leaks were noted. Now that machinery has returned, continue to monitor. 5/4/06	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations			

Next likely scheduled inspection:

Wednesday, May 10, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden



Norwalk Substation: Photo on the left shows where topsoil was spread adjacent to the GIS building. Photo on the right shows an overview of the yard. Some materials for other portions of the project are stored here. 5/4/06.



Photo on the left shows the area of the turning structure. Erosion here from the flooding will be restored. Photo on the right shows a view of the overflow channel. Flooding did not cause erosion here. 5/4/06.



Plumtree Substation: Photo shows a view of foundation construction occurring within the station yard. 5/4/06.



Photo on the left shows the rear of the site with haybales remaining along the perimeter. A stockpile is close to the fence here and could be pulled back if feasible. Photo on the right shows an overview of the yard and some of the stockpiles. 5/4/06